Figure 1

$$(Bu^{l})Me_{2}Si_{O} - SiMe_{2}(^{l}Bu)$$

$$Excess R-l$$

$$THF, \Delta$$

$$1$$

$$R$$

$$2, R = n-propyl-3-trimethoxysilane$$

$$3, R = Me$$

Figure 2

Figure 3

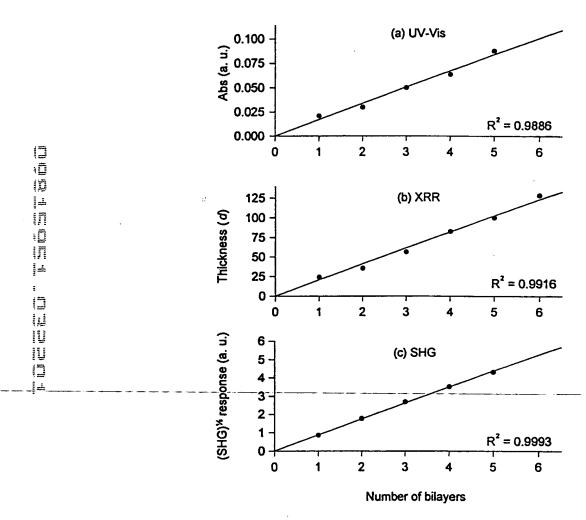


Figure 4

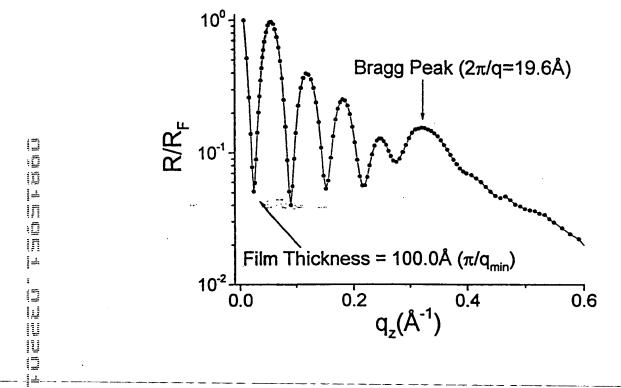


Figure 5

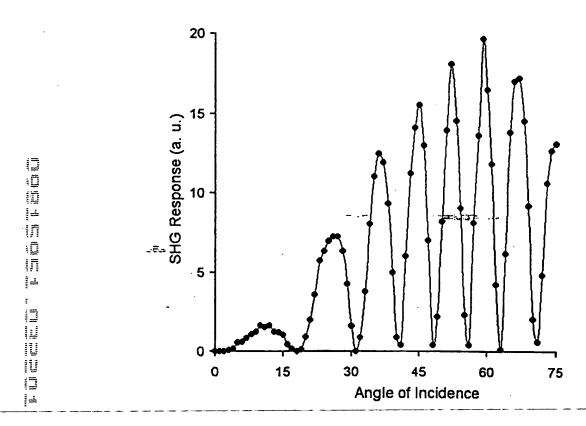


Figure 6

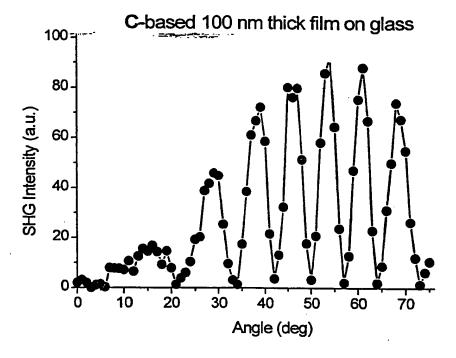
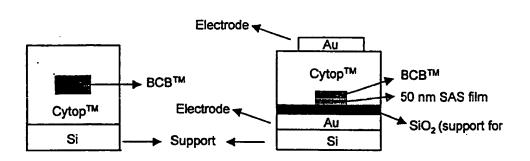


Figure 7



All-Polymer Waveguide

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Modular with Self-Assembled Superlattices

Figure 8

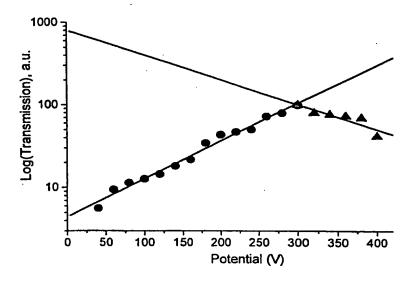


Figure 9

1. L.1 C. C. C. C.

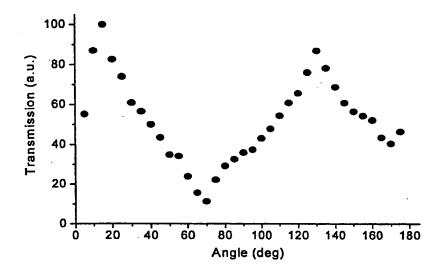


Figure 10

Figure 11



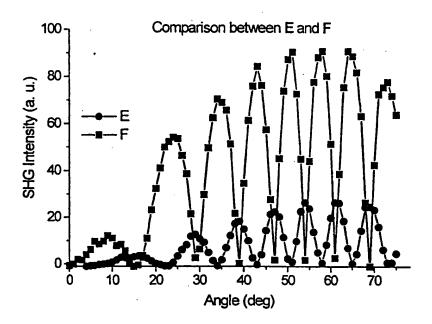
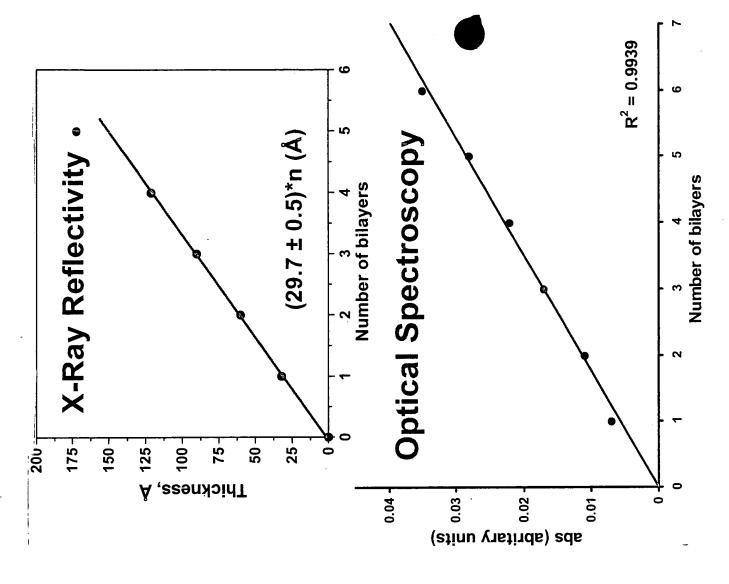


Figure 12

Si(^tBu)(Me)₂

(Me)₂(^tBu)Si O



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	Z-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2 Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	ser Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	2 Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
β (0.65 eV)calcd. (10 ⁻³⁰ cm ⁵ esu ⁻¹)	178	360	1288	1617
λ_{max} , calcd. (nm)	572	498	658	999
Film r_{33} , $\omega_o = 1064$ nm (pm/V)	26	125	410 (est.)	525 (est.)
		F15.15		